

RADIATION SAFETY – PRACTICAL APPLICATIONS (165.11)

1 DAY

This 1–day radiation safety course is designed to provide participants with hands-on use of radiation detection instruments and the basic principles of radiological controls. This course is intended for environmental professionals who require the skills necessary to detect the presence of radioactive materials and perform radiation and contamination surveys to evaluate and control the radiological hazards. The course emphasizes the hands-on use of radiation detection instruments to control personal safety and characterize the components and extent of radioactive contamination.

Participants who attend this course are expected to have a basic knowledge and understanding of the fundamental principles of radiation safety. Participants needing a basic knowledge and understanding of the fundamental principles of radiation safety will benefit from attending the “**Radiation Safety - Overview For Environmental Professionals**” course prior to attending this course. Participants are encouraged to request both courses when registering.

Topics that are discussed include practical applications of radiation detection instruments, methods for radiation exposure and contamination control, and methods for simple radioactive decontamination.

Instructional methods include lectures, class discussions, demonstrations, and exercises that combine the use of hands-on equipment with practical applications.

After completing the course, participants will be able to:

- Detect the presence of radioactive materials while performing investigations at hazardous waste sites.
- Implement methods of radiation exposure and contamination control.
- Perform simple radioactive decontamination.

Participants should be prepared to don and doff anti-contamination clothing such as coveralls, hoods, boots, and gloves. Respirators will not be worn.

Note: Calculators are recommended.

Continuing Education Units: 0.6

ABIH Certification Maintenance Points: 1.0